



22500 Salamo Road  
West Linn, Oregon 97068  
<http://westlinnoregon.gov>

# UTILITY ADVISORY BOARD MEETING

## Summary Notes

Tuesday, July 12, 2016

6:00 p.m. – Meeting – Bolton Conference Room

---

**Members Present:** Erik Miller, David Baker, Alice Richmond, Amit Armstrong, Bill Frazier.

**Staff/City Representatives Present:** Richard Seals, Brenda Perry

**1. Call to Order and Introductions**

Called to order by Bill Frazier.

**2. Approval of January 6, 2016 Summary Notes**

Motioned by Erik and seconded by Alice. Unanimous approval.

**3. Water rate update and discussion**

Last fall the recommendation for 18% was tabled. Based on the numbers that have just come in, the board feels it would be feasible to keep the 5% and still be able to complete the Bolton project and future water line repairs without going to the voters and asking for increase in utility rate. Not everything in the Master Plan would be achieved. However, South Fork has reported that the month of June has not been high in water sales. Next July, the conversation may move back to 10% depending on final revenue collected from this fiscal year. Motion to continue 5% increases until further notice: motioned by Amit, seconded by David and passed unanimously.

**4. Capital Project Update**

None

**5. Other Business**

Discussion with regard to whether the UAB should become more involved with

wastewater treatment. No conclusions made as a result of the absence of two board members.

Question raised regarding how to add something to the agenda. Bill answered that agenda items could be submitted to him, Lance, or Morgan.

**6. Adjournment**

Bill Frazier moved to adjourn the meeting with unanimous approval.

**City of West Linn**  
**Water Fund**  
(amounts in thousands)

**Water Fund**  
(amounts in thousands)

	ACTUALS									PROJECTED																	
	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY32	
<b>Resources</b>																											
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,108	\$6,549	\$3,991	\$2,329	\$1,918	\$1,610	\$1,389	\$1,209	\$834	\$774	\$780	\$857	\$869	\$658	\$770	\$692	\$718	\$856	
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	3,960	4,134	4,311	4,497	4,690	4,891	5,101	5,321	5,550	5,788	6,036	6,296	6,567	6,849	7,144	7,451	7,772	8,106	
Funds from rate increases	129	148	145	129	145	158	174	180	203	208	217	226	236	246	257	268	279	291	304	317	331	345	360	375	391	408	5.00%
Interest	25	85	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Miscellaneous	35	57	61	99	114	106	99	100	133	136	139	142	145	148	151	154	157	160	163	166	169	172	175	179	183	187	2.00%
Licenses and permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Debt proceeds	-	-	-	-	-	-	-	236	2,795	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Funding from LOT	-	-	-	-	-	-	5,429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,401	7,091	4,478	4,667	4,866	5,073	5,288	5,513	5,748	5,992	6,246	6,511	6,788	7,077	7,377	7,691	8,018	8,360	8,716	
<b>Total Resources</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,409</b>	<b>\$13,199</b>	<b>\$11,027</b>	<b>\$8,658</b>	<b>\$7,195</b>	<b>\$6,991</b>	<b>\$6,898</b>	<b>\$6,902</b>	<b>\$6,957</b>	<b>\$6,826</b>	<b>\$7,020</b>	<b>\$7,291</b>	<b>\$7,645</b>	<b>\$7,945</b>	<b>\$8,036</b>	<b>\$8,461</b>	<b>\$8,710</b>	<b>\$9,078</b>	<b>\$9,571</b>	
<b>Requirements</b>																											
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$612	\$636	\$661	\$687	\$714	\$743	\$940	\$978	\$1,017	\$1,058	\$1,100	\$1,144	\$1,190	\$1,238	\$1,288	\$1,340	\$1,394	\$1,450	4.00%
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,678	1,728	1,780	1,833	1,888	1,945	2,003	2,063	2,125	2,189	2,255	2,323	2,393	2,465	2,539	2,615	2,693	2,774	3.00%
Debt service - existing	151	153	153	149	150	150	150	154	804	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	Scheduled
Debt service - new issues	-	-	-	-	-	-	-	-	37	280	280	280	280	285	138	142	140	140	140	140	140	140	140	140	140	140	Scheduled
Transfers to other funds	617	1,027	686	743	657	684	703	730	986	869	895	922	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,239	1,276	1,314	1,353	1,394	3.00%
Sub-total - operations	2,598	2,939	2,732	2,712	2,686	2,816	2,811	3,036	4,117	3,513	3,616	3,722	3,832	3,952	4,089	4,221	4,351	4,488	4,629	4,775	4,926	5,082	5,243	5,409	5,580	5,758	
Capital outlay																											
Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	3.00%
Future water line replacements	-	-	-	-	-	-	636	751	45	925	1,000	1,150	1,185	1,221	1,258	1,296	1,335	1,375	1,416	1,600	1,648	1,697	1,748	1,800	1,854	1,910	3.00%
Bolton Reservoir replacement	-	-	-	-	-	-	-	1,001	2,409	2,328	1,164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%
Demolish Abandoned View	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%
Reservoir Lining/Coating	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	250	-	-	-	300	-	-	-	-	-	350	3.00%
Pressure reducing valve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%
Reservoir seismic repairs	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%
Tigard/LO interite	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%
System improv projects	-	-	-	-	-	-	-	509	18	150	225	225	232	200	206	212	218	225	232	239	246	253	600	600	600	600	3.00%
Telemetry (SCADA) upgrade	-	-	-	-	-	-	-	-	-	26	27	80	29	30	31	32	33	34	35	36	37	100	40	41	42	43	3.00%
Sub-total - capital	126	358	390	62	19	599	733	2,265	2,533	3,523	2,713	1,555	1,549	1,557	1,604	1,902	1,701	1,752	1,805	2,001	2,361	2,184	2,526	2,583	2,642	3,053	3.00%
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	6,650	7,036	6,329	5,277	5,381	5,509	5,693	6,123	6,052	6,240	6,434	6,776	7,287	7,266	7,769	7,992	8,222	8,811	
Ending Fund Balance																											
Policy requirement (15%)	275	264	284	273	282	297	294	323	344	355	366	378	390	403	441	456	471	487	503	520	537	555	574	593	613	634	
Reserve for debt service (inc.)	151	151	151	151	151	151	150	154	841	280	280	280	280	285	138	142	140	140	140	140	140	140	140	140	140	140	
Over (under) Policy	394	205	33	271	823	984	6,564	5,631	5,364	3,356	1,683	1,260	940	701	630	236	163	153	214	209	(19)	75	(22)	(15)	103	(14)	
Total ending fund balance	820	620	468	695	1,256	1,432	7,008	6,108	6,549	3,991	2,329	1,918	1,610	1,389	1,209	834	774	780	857	869	658	770	692	718	856	760	
<b>Total Requirements</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,409</b>	<b>\$13,199</b>	<b>\$11,027</b>	<b>\$8,658</b>	<b>\$7,195</b>	<b>\$6,991</b>	<b>\$6,898</b>	<b>\$6,902</b>	<b>\$6,957</b>	<b>\$6,826</b>	<b>\$7,020</b>	<b>\$7,291</b>	<b>\$7,645</b>	<b>\$7,945</b>	<b>\$8,036</b>	<b>\$8,461</b>	<b>\$8,710</b>	<b>\$9,078</b>	<b>\$9,571</b>	

20-year Totals for Capital Projects
25,850
6,902
-
1,100
-
13
18
5,790
696
<b>40,369</b>

Utility Rate Information:																										
% water rate increases	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Projected revenue variance										-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	
Water portion of average bill	\$ 14	\$ 15	\$ 15	\$ 16	\$ 17	\$ 18	\$ 19	\$ 20	\$ 21	\$ 22	\$ 23	\$ 24	\$ 25	\$ 26	\$ 28	\$ 29	\$ 31	\$ 32	\$ 34	\$ 35	\$ 37	\$ 39	\$ 41	\$ 43	\$ 45	\$ 47
Total average utility bill	\$ 40	\$ 42	\$ 57	\$ 60	\$ 63	\$ 66	\$ 78	\$ 83	\$ 87	\$ 91	\$ 96	\$ 101	\$ 106	\$ 111	\$ 117	\$ 122	\$ 129	\$ 135	\$ 142	\$ 149	\$ 156	\$ 164	\$ 172	\$ 181	\$ 190	\$ 199
Bond Covenant Information:																										
Coverage Ratio (130% min)	417%	160%	202%	256%	285%	617%	621%	768%	105%																	
Reserves (Max Annual DS)	\$ 151	\$ 151	\$ 151	\$ 151	\$ 151	\$ 151	\$ 150	\$ 154	\$ 841	\$ 280	\$ 280	\$ 280	\$ 280													

**Water Fund Projection (Scenerio 1) - Funding Bolton and Water Line Replacements over 20 years**

**City of West Linn  
Water Fund**  
*(amounts in thousands)*

**Water Fund**  
*(amounts in thousands)*

	ACTUALS						PROJECTED																				
	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY32	
<b>Resources</b>																											
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,105	\$5,294	\$2,584	\$1,230	\$1,383	\$1,563	\$1,905	\$2,138	\$2,176	\$2,318	\$2,515	\$2,771	\$3,089	\$3,174	\$3,302	\$3,558	\$3,886	\$4,292	
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	4,024	4,185	4,352	4,526	4,708	4,896	5,092	5,295	5,507	5,727	5,956	6,194	6,442	6,700	6,967	7,246	7,536	7,838	
Funds from rate increases	129	148	145	129	145	158	174	180	203	211	220	229	238	247	257	267	278	289	301	313	325	338	352	366	381	396	
Interest	25	85	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Miscellaneous	35	57	61	99	114	106	99	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	128	131	134	137	
Licenses and permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Debt proceeds	-	-	-	-	-	-	-	236	1,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Funding from LOT	-	-	-	-	-	-	5,429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,398	6,026	4,497	4,675	4,861	5,055	5,255	5,464	5,680	5,906	6,140	6,384	6,637	6,900	7,174	7,459	7,756	8,065	8,386	
<b>Total Resources</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,406</b>	<b>\$12,131</b>	<b>\$9,791</b>	<b>\$7,260</b>	<b>\$6,091</b>	<b>\$6,438</b>	<b>\$6,818</b>	<b>\$7,369</b>	<b>\$7,819</b>	<b>\$8,081</b>	<b>\$8,458</b>	<b>\$8,899</b>	<b>\$9,408</b>	<b>\$9,990</b>	<b>\$10,347</b>	<b>\$10,761</b>	<b>\$11,314</b>	<b>\$11,951</b>	<b>\$12,678</b>	
<b>Requirements</b>																											
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$630	\$655	\$681	\$708	\$736	\$765	\$963	\$1,002	\$1,042	\$1,084	\$1,127	\$1,172	\$1,219	\$1,268	\$1,319	\$1,372	\$1,427	\$1,484	
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,804	1,858	1,914	1,971	2,030	2,091	2,154	2,219	2,286	2,355	2,426	2,499	2,574	2,651	2,731	2,813	2,897	2,984	
Debt service - existing	151	153	153	149	150	150	150	154	153	152	152	152	152	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	
Debt service - new issues	-	-	-	-	-	-	-	-	-	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Transfers to other funds	617	1,027	686	743	657	684	703	730	986	869	895	922	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,239	1,276	1,314	1,353	1,394	
Sub-total - operations	2,598	2,939	2,732	2,712	2,686	2,816	2,811	3,036	3,573	3,684	3,792	3,903	4,018	3,985	4,275	4,409	4,547	4,690	4,837	4,989	5,146	5,308	5,476	5,649	5,827	6,012	
Capital outlay																											
Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	
Future water line replacements	-	-	-	-	-	-	636	751	900	925	800	475	575	592	610	628	850	876	902	929	957	1,250	1,288	1,327	1,367	1,408	
Bolton Reservoir replacement	-	-	-	-	-	-	-	1,001	2,159	2,328	1,164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Demolish Abandoned View	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Reservoir Lining/Coating	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	-	-	-	-	300	-	-	-	-	-	300	
Pressure reducing valve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Reservoir seismic repairs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tigard/LO interite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
System improv projects	-	-	-	-	-	-	-	509	150	150	150	150	150	200	206	212	218	225	232	239	246	253	261	269	277	285	
Telemetry (SCADA) upgrade	-	-	-	-	-	-	-	-	25	26	27	80	29	30	31	32	33	34	35	36	37	100	40	41	42	43	
Sub-total - capital	126	358	390	62	19	599	733	2,265	3,264	3,523	2,238	805	857	928	956	1,234	1,216	1,253	1,291	1,330	1,670	1,737	1,727	1,779	1,832	2,186	
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	6,837	7,207	6,030	4,708	4,875	4,913	5,231	5,643	5,763	5,943	6,128	6,319	6,816	7,045	7,203	7,428	7,659	8,198	
Ending Fund Balance																											
Policy requirement (15%)	275	264	284	273	282	297	294	323	365	377	389	402	415	428	468	483	499	516	533	551	569	588	608	628	649	670	
Reserve for debt service (inc.)	151	151	151	151	151	151	150	154	153	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Over (under) Policy	394	205	33	271	823	984	6,564	5,628	4,776	2,057	691	831	998	1,327	1,520	1,543	1,669	1,849	2,088	2,388	2,455	2,564	2,800	3,108	3,493	3,660	
Total ending fund balance	820	620	468	695	1,256	1,432	7,008	6,105	5,294	2,584	1,230	1,383	1,563	1,905	2,138	2,176	2,318	2,515	2,771	3,089	3,174	3,302	3,558	3,886	4,292	4,480	
<b>Total Requirements</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,406</b>	<b>\$12,131</b>	<b>\$9,791</b>	<b>\$7,260</b>	<b>\$6,091</b>	<b>\$6,438</b>	<b>\$6,818</b>	<b>\$7,369</b>	<b>\$7,819</b>	<b>\$8,081</b>	<b>\$8,458</b>	<b>\$8,899</b>	<b>\$9,408</b>	<b>\$9,990</b>	<b>\$10,347</b>	<b>\$10,761</b>	<b>\$11,314</b>	<b>\$11,951</b>	<b>\$12,678</b>	
Utility Rate Information:																											
% water rate increases	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	
Projected revenue variance									-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	
Water portion of average bill	\$ 14	\$ 15	\$ 15	\$ 16	\$ 17	\$ 18	\$ 19	\$ 20	\$ 21	\$ 22	\$ 23	\$ 24	\$ 25	\$ 26	\$ 28	\$ 29	\$ 31	\$ 32	\$ 34	\$ 35	\$ 37	\$ 39	\$ 41	\$ 43	\$ 45	\$ 47	
Total average utility bill	\$ 40	\$ 42	\$ 57	\$ 60	\$ 63	\$ 66	\$ 78	\$ 83	\$ 87	\$ 91	\$ 96	\$ 101	\$ 106	\$ 111	\$ 117	\$ 122	\$ 129	\$ 135	\$ 142	\$ 149	\$ 156	\$ 164	\$ 172	\$ 181	\$ 190	\$ 199	
Bond Covenant Information:																											
Coverage Ratio (130% min)	417%	160%	202%	256%	285%	617%	621%	768%	528%	336%	358%	382%	407%														
Reserves (Max Annual DS)	\$ 151	\$ 151	\$ 151	\$ 151	\$ 151	\$ 151	\$ 150	\$ 154	\$ 153	\$ 150	\$ 150	\$ 150	\$ 150														

20-year Totals for Capital Projects
18,046
6,652
-
850
-
-
4,382
721
30,651

Water Fund Projection (Scenerio 1) - Funding Bolton and some Water Line Replacements over 20 years

**City of West Linn  
Water Fund  
(amounts in thousands)**

**Water Fund  
(amounts in thousands)**

	ACTUALS						PROJECTED																				
	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY32	
<b>Resources</b>																											
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,105	\$7,923	\$5,764	\$4,506	\$4,504	\$4,610	\$4,965	\$5,218	\$5,283	\$5,664	\$6,114	\$6,638	\$7,098	\$7,336	\$7,898	\$8,271	\$8,747	\$9,332	
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	4,024	4,709	4,897	5,093	5,296	5,508	5,728	5,957	6,195	6,443	6,700	6,968	7,247	7,537	7,838	8,152	8,479	8,817	
Funds from rate increases	129	148	145	129	145	158	174	180	732	238	247	257	267	278	289	301	313	325	338	352	366	381	396	412	428	445	
Interest	25	85	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Miscellaneous	35	57	61	99	114	106	99	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	128	131	134	137	
Licenses and permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Debt proceeds	-	-	-	-	-	-	-	236	3,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Funding from LOT	-	-	-	-	-	-	5,429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,398	8,655	5,048	5,247	5,456	5,672	5,898	6,132	6,376	6,629	6,892	7,165	7,450	7,746	8,054	8,374	8,708	9,055	9,414	
<b>Total Resources</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,406</b>	<b>\$14,760</b>	<b>\$12,971</b>	<b>\$11,011</b>	<b>\$9,962</b>	<b>\$10,177</b>	<b>\$10,507</b>	<b>\$11,097</b>	<b>\$11,594</b>	<b>\$11,912</b>	<b>\$12,556</b>	<b>\$13,280</b>	<b>\$14,088</b>	<b>\$14,843</b>	<b>\$15,390</b>	<b>\$16,273</b>	<b>\$16,979</b>	<b>\$17,801</b>	<b>\$18,747</b>	
<b>Requirements</b>																											
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$630	\$655	\$681	\$708	\$736	\$765	\$963	\$1,002	\$1,042	\$1,084	\$1,127	\$1,172	\$1,219	\$1,268	\$1,319	\$1,372	\$1,427	\$1,484	
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,804	1,858	1,914	1,971	2,030	2,091	2,154	2,219	2,286	2,355	2,426	2,499	2,574	2,651	2,731	2,813	2,897	2,984	
Debt service - existing	151	153	153	149	150	150	150	154	153	152	152	152	152	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	
Debt service - new issues	-	-	-	-	-	-	-	-	-	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Transfers to other funds	617	1,027	686	743	657	684	703	730	986	869	895	922	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,239	1,276	1,314	1,353	1,394	
Sub-total - operations	2,598	2,939	2,732	2,712	2,686	2,816	2,811	3,036	3,573	3,684	3,792	3,903	4,018	3,985	4,275	4,409	4,547	4,690	4,837	4,989	5,146	5,308	5,476	5,649	5,827	6,012	
Capital outlay																											
Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	
Future water line replacements	-	-	-	-	-	-	636	751	900	925	1,000	1,150	1,185	1,221	1,258	1,296	1,335	1,375	1,416	1,600	1,648	1,697	1,748	1,800	1,854	1,910	
Bolton Reservoir replacement	-	-	-	-	-	-	-	1,001	2,159	2,328	1,164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Demolish Abandoned View	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Reservoir Lining/Coating	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	250	-	-	-	300	-	-	-	-	-	350	
Pressure reducing valve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Reservoir seismic repairs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tigard/LO interite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
System improv projects	-	-	-	-	-	-	-	509	150	150	225	225	232	200	206	212	218	225	232	239	246	253	600	600	600	600	
Telemetry (SCADA) upgrade	-	-	-	-	-	-	-	-	25	26	27	80	29	30	31	32	33	34	35	36	37	100	40	41	42	43	
Sub-total - capital	126	358	390	62	19	599	733	2,265	3,264	3,523	2,713	1,555	1,549	1,557	1,604	1,902	1,701	1,752	1,805	2,001	2,361	2,184	2,526	2,583	2,642	3,053	
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	6,837	7,207	6,505	5,458	5,567	5,542	5,879	6,311	6,248	6,442	6,642	6,990	7,507	7,492	8,002	8,232	8,469	9,065	
Ending Fund Balance																											
Policy requirement (15%)	275	264	284	273	282	297	294	323	365	377	389	402	415	428	468	483	499	516	533	551	569	588	608	628	649	670	
Reserve for debt service (inc.)	151	151	151	151	151	151	150	154	153	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Over (under) Policy	394	205	33	271	823	984	6,564	5,628	7,405	5,237	3,967	3,952	4,045	4,387	4,600	4,650	5,015	5,448	5,955	6,397	6,617	7,160	7,513	7,969	8,533	8,862	
Total ending fund balance	820	620	468	695	1,256	1,432	7,008	6,105	7,923	5,764	4,506	4,504	4,610	4,965	5,218	5,283	5,664	6,114	6,638	7,098	7,336	7,898	8,271	8,747	9,332	9,682	
<b>Total Requirements</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,406</b>	<b>\$14,760</b>	<b>\$12,971</b>	<b>\$11,011</b>	<b>\$9,962</b>	<b>\$10,177</b>	<b>\$10,507</b>	<b>\$11,097</b>	<b>\$11,594</b>	<b>\$11,912</b>	<b>\$12,556</b>	<b>\$13,280</b>	<b>\$14,088</b>	<b>\$14,843</b>	<b>\$15,390</b>	<b>\$16,273</b>	<b>\$16,979</b>	<b>\$17,801</b>	<b>\$18,747</b>	

20-year Totals for Capital Projects
26,705
6,652
-
1,100
-
-
5,922
721
<b>41,100</b>

Utility Rate Information:	
% water rate increases	5% 5% 5% 5% 5% 5%
Projected revenue variance	-1.0% -1.0% -1.0% -1.0% -1.0% -1.0%
Water portion of average bill	\$ 14 \$ 15 \$ 15 \$ 16 \$ 17 \$ 18
Total average utility bill	\$ 40 \$ 42 \$ 57 \$ 60 \$ 63 \$ 66
Bond Covenant Information:	
Coverage Ratio (130% min)	417% 160% 202% 256% 285% 617%
Reserves (Max Annual DS)	\$ 151 \$ 151 \$ 151 \$ 151 \$ 151 \$ 151

**Water Fund Projection (Scenerio 2) - Funding Bolton and Water Line Replacements over 20 years**

**City of West Linn  
Water Fund  
(amounts in thousands)**

**Water Fund  
(amounts in thousands)**

	ACTUALS						PROJECTED																					
	FY08	FY09	FY10	FY11	FY12	FY13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<b>Resources</b>																												
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,105	\$7,598	\$5,101	\$3,492	\$3,125	\$2,852	\$2,813	\$2,656	\$2,295	\$2,233	\$2,222	\$2,266	\$2,228	\$1,948	\$1,971	\$1,783	\$1,676	\$1,655		
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	4,024	4,387	4,563	4,745	4,935	5,132	5,337	5,551	5,773	6,004	6,244	6,494	6,753	7,024	7,305	7,597	7,901	8,217	5.00%	
Funds from rate increases	129	148	145	129	145	158	174	180	407	222	230	240	249	259	270	280	292	303	315	328	341	355	369	384	399	415		
Interest	25	85	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Miscellaneous	35	57	61	99	114	106	99	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	128	131	134	137	2.00%	
Licenses and permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Debt proceeds	-	-	-	-	-	-	-	236	3,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Funding from LOT	-	-	-	-	-	-	5,429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,398	8,330	4,710	4,896	5,091	5,293	5,503	5,722	5,949	6,186	6,431	6,686	6,952	7,227	7,515	7,814	8,125	8,448	8,784		
<b>Total Resources</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,406</b>	<b>\$14,435</b>	<b>\$12,308</b>	<b>\$9,997</b>	<b>\$8,583</b>	<b>\$8,419</b>	<b>\$8,355</b>	<b>\$8,535</b>	<b>\$8,606</b>	<b>\$8,481</b>	<b>\$8,664</b>	<b>\$8,908</b>	<b>\$9,218</b>	<b>\$9,455</b>	<b>\$9,463</b>	<b>\$9,785</b>	<b>\$9,908</b>	<b>\$10,124</b>	<b>\$10,439</b>		
<b>Requirements</b>																												
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$630	\$655	\$681	\$708	\$736	\$765	\$963	\$1,002	\$1,042	\$1,084	\$1,127	\$1,172	\$1,219	\$1,268	\$1,319	\$1,372	\$1,427	\$1,484	4.00%	
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,804	1,858	1,914	1,971	2,030	2,091	2,154	2,219	2,286	2,355	2,426	2,499	2,574	2,651	2,731	2,813	2,897	2,984	3.00%	
Debt service - existing	151	153	153	149	150	150	150	154	153	152	152	152	152	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	Scheduled	
Debt service - new issues	-	-	-	-	-	-	-	-	-	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	Scheduled	
Transfers to other funds	617	1,027	686	743	657	684	703	730	986	869	895	922	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,239	1,276	1,314	1,353	1,394	3.00%	
Sub-total - operations	2,598	2,939	2,732	2,712	2,686	2,816	2,811	3,036	3,573	3,684	3,792	3,903	4,018	3,985	4,275	4,409	4,547	4,690	4,837	4,989	5,146	5,308	5,476	5,649	5,827	6,012		
Capital outlay																												
Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	3.00%	
Future water line replacements	-	-	-	-	-	-	636	751	900	925	1,000	1,150	1,185	1,221	1,258	1,296	1,335	1,375	1,416	1,600	1,648	1,697	1,748	1,800	1,854	1,910	3.00%	
Bolton Reservoir replacement	-	-	-	-	-	-	-	1,001	2,159	2,328	1,164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
Demolish Abandoned View	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
Reservoir Lining/Coating	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	250	-	-	-	300	-	-	-	-	-	350	3.00%	
Pressure reducing valve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
Reservoir seismic repairs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
Tigard/LO interite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
System improv projects	-	-	-	-	-	-	-	509	150	150	225	225	232	200	206	212	218	225	232	239	246	253	600	600	600	600	3.00%	
Telemetry (SCADA) upgrade	-	-	-	-	-	-	-	-	25	26	27	80	29	30	31	32	33	34	35	36	37	100	40	41	42	43	3.00%	
Sub-total - capital	126	358	390	62	19	599	733	2,265	3,264	3,523	2,713	1,555	1,549	1,557	1,604	1,902	1,701	1,752	1,805	2,001	2,361	2,184	2,526	2,583	2,642	3,053	3.00%	
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	6,837	7,207	6,505	5,458	5,567	5,542	5,879	6,311	6,248	6,442	6,642	6,990	7,507	7,492	8,002	8,232	8,469	9,065		
Ending Fund Balance																												
Policy requirement (15%)	275	264	284	273	282	297	294	323	365	377	389	402	415	428	468	483	499	516	533	551	569	588	608	628	649	670		
Reserve for debt service (inc.)	151	151	151	151	151	151	150	154	153	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150		
Over (under) Policy	394	205	33	271	823	984	6,564	5,628	7,080	4,574	2,953	2,573	2,287	2,235	2,038	1,662	1,584	1,556	1,583	1,527	1,229	1,233	1,025	898	856	554		
Total ending fund balance	820	620	468	695	1,256	1,432	7,008	6,105	7,598	5,101	3,492	3,125	2,852	2,813	2,656	2,295	2,233	2,222	2,266	2,228	1,948	1,971	1,783	1,676	1,655	1,374		
<b>Total Requirements</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,406</b>	<b>\$14,435</b>	<b>\$12,308</b>	<b>\$9,997</b>	<b>\$8,583</b>	<b>\$8,419</b>	<b>\$8,355</b>	<b>\$8,535</b>	<b>\$8,606</b>	<b>\$8,481</b>	<b>\$8,664</b>	<b>\$8,908</b>	<b>\$9,218</b>	<b>\$9,455</b>	<b>\$9,463</b>	<b>\$9,785</b>	<b>\$9,908</b>	<b>\$10,124</b>	<b>\$10,439</b>		
<b>Utility Rate Information:</b>																												
% water rate increases	5%	5%	5%	5%	5%	5%	5%	5%	10%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%		
Projected revenue variance									-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%			
Water portion of average bill	\$ 14	\$ 15	\$ 15	\$ 16	\$ 17	\$ 18	\$ 19	\$ 20	\$ 22	\$ 23	\$ 24	\$ 25	\$ 26	\$ 28	\$ 29	\$ 30	\$ 32	\$ 34	\$ 35	\$ 37	\$ 39	\$ 41	\$ 43	\$ 45	\$ 47	\$ 50		
Total average utility bill	\$ 40	\$ 42	\$ 57	\$ 60	\$ 63	\$ 66	\$ 78	\$ 83	\$ 91	\$ 96	\$ 100	\$ 105	\$ 111	\$ 116	\$ 122	\$ 128	\$ 135	\$ 141	\$ 148	\$ 156	\$ 164	\$ 172	\$ 180	\$ 189	\$ 199	\$ 209		
<b>Bond Covenant Information:</b>																												
Coverage Ratio (130% min)	417%	160%	202%	256%	285%	617%	621%	768%	661%	406%	431%	458%	486%															
Reserves (Max Annual DS)	\$ 151	\$ 151	\$ 151	\$ 151	\$ 151	\$ 151	\$ 150	\$ 154	\$ 153	\$ 150	\$ 150	\$ 150	\$ 150															

20-year Totals for Capital Projects
26,705
6,652
-
1,100
-
-
5,922
721
41,100

Water Fund Projection (Scenerio 3) - Funding Bolton and Water Line Replacements over 20 years

**City of West Linn  
Water Fund  
(amounts in thousands)**

**Water Fund  
(amounts in thousands)**

	ACTUALS						PROJECTED																					
	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY32		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20								
<b>Resources</b>																												
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,105	\$7,401	\$4,927	\$3,456	\$3,321	\$3,284	\$3,500	\$3,656	\$3,668	\$3,642	\$3,433	\$3,346	\$3,247	\$3,080	\$3,052	\$2,971	\$2,795	\$2,782		
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	4,024	5,432	5,649	5,875	6,110	6,355	6,609	6,874	7,149	7,435	7,732	8,040	8,362	8,696	9,044	9,406	9,782	10,173	5.00%	
Funds from rate increases	129	148	145	129	145	158	174	180	1,463	274	285	297	309	321	334	347	361	375	390	406	422	439	457	475	494	514		
Interest	25	85	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Miscellaneous	35	57	61	99	114	106	99	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	128	131	134	137	2.00%	
Licenses and permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Debt proceeds	-	-	-	-	-	-	-	236	3,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Funding from LOT	-	-	-	-	-	-	5,429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,398	9,386	5,807	6,037	6,278	6,528	6,788	7,058	7,339	7,631	7,934	8,249	8,576	8,917	9,271	9,641	10,025	10,424	10,839		
<b>Total Resources</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,406</b>	<b>\$15,491</b>	<b>\$13,209</b>	<b>\$10,964</b>	<b>\$9,734</b>	<b>\$9,850</b>	<b>\$10,072</b>	<b>\$10,558</b>	<b>\$10,995</b>	<b>\$11,299</b>	<b>\$11,576</b>	<b>\$11,681</b>	<b>\$11,922</b>	<b>\$12,164</b>	<b>\$12,351</b>	<b>\$12,693</b>	<b>\$12,996</b>	<b>\$13,219</b>	<b>\$13,621</b>		
<b>Requirements</b>																												
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$630	\$655	\$681	\$708	\$736	\$765	\$963	\$1,002	\$1,042	\$1,084	\$1,127	\$1,172	\$1,219	\$1,268	\$1,319	\$1,372	\$1,427	\$1,484	4.00%	
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,804	1,858	1,914	1,971	2,030	2,091	2,154	2,219	2,286	2,355	2,426	2,499	2,574	2,651	2,731	2,813	2,897	2,984	3.00%	
Debt service - existing	151	153	153	149	150	150	150	154	153	152	152	152	152	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	paid off	Scheduled	
Debt service - new issues	-	-	-	-	-	-	-	-	-	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	Scheduled	
Transfers to other funds	617	1,027	686	743	657	684	703	730	986	869	895	922	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,239	1,276	1,314	1,353	1,394	3.00%	
Sub-total - operations	2,598	2,939	2,732	2,712	2,686	2,816	2,811	3,036	3,573	3,684	3,792	3,903	4,018	3,985	4,275	4,409	4,547	4,690	4,837	4,989	5,146	5,308	5,476	5,649	5,827	6,012		
Capital outlay																												
Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	3.00%	
Future water line replacements	-	-	-	-	-	-	636	751	900	925	1,000	1,150	1,185	1,221	1,258	1,296	1,335	1,375	1,416	1,600	1,648	1,697	1,748	1,800	1,854	1,910	3.00%	
Bolton Reservoir replacement	-	-	-	-	-	-	-	1,001	2,159	2,328	1,164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
Demolish Abandoned View	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
Reservoir Lining/Coating	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	250	-	-	-	300	-	-	-	-	-	350	3.00%	
Pressure reducing valve	-	-	-	-	-	-	-	-	161	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	3.00%	
Reservoir seismic repairs	-	-	-	-	-	-	-	-	91	104	107	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	3.00%	
Tigard/LO interite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
System improv projects	-	-	-	-	-	-	-	509	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,500	1,800	1,800	1,800	1,700	2,000	2,200	2,450	2,450	2,450	3.00%
Telemetry (SCADA) upgrade	-	-	-	-	-	-	-	-	76	26	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	3.00%	
Sub-total - capital	126	358	390	62	19	599	733	2,265	4,517	4,598	3,716	2,510	2,548	2,587	2,627	2,918	3,110	3,453	3,498	3,686	3,938	3,991	4,246	4,552	4,610	5,020	3.00%	
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	8,090	8,282	7,508	6,413	6,566	6,572	6,902	7,327	7,657	8,143	8,335	8,675	9,084	9,299	9,722	10,201	10,437	11,032		
Ending Fund Balance																												
Policy requirement (15%)	275	264	284	273	282	297	294	323	365	377	389	402	415	428	468	483	499	516	533	551	569	588	608	628	649	670		
Reserve for debt service (inc.)	151	151	151	151	151	151	150	154	153	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150		
Over (under) Policy	394	205	33	271	823	984	6,564	5,628	6,883	4,400	2,917	2,769	2,719	2,922	3,038	3,035	2,993	2,767	2,663	2,546	2,361	2,314	2,213	2,017	1,983	1,769		
Total ending fund balance	820	620	468	695	1,256	1,432	7,008	6,105	7,401	4,927	3,456	3,321	3,284	3,500	3,656	3,668	3,642	3,433	3,346	3,247	3,080	3,052	2,971	2,795	2,782	2,589		
<b>Total Requirements</b>	<b>\$3,544</b>	<b>\$3,917</b>	<b>\$3,590</b>	<b>\$3,469</b>	<b>\$3,961</b>	<b>\$4,847</b>	<b>\$10,552</b>	<b>\$11,406</b>	<b>\$15,491</b>	<b>\$13,209</b>	<b>\$10,964</b>	<b>\$9,734</b>	<b>\$9,850</b>	<b>\$10,072</b>	<b>\$10,558</b>	<b>\$10,995</b>	<b>\$11,299</b>	<b>\$11,576</b>	<b>\$11,681</b>	<b>\$11,922</b>	<b>\$12,164</b>	<b>\$12,351</b>	<b>\$12,693</b>	<b>\$12,996</b>	<b>\$13,219</b>	<b>\$13,621</b>		

20-year Totals for Capital Projects
26,705
6,652
-
1,100
533
1,952
-
29,459
549
<b>66,950</b>

Utility Rate Information:	
% water rate increases	5% 5% 5% 5% 5% 5%
Projected revenue variance	-1.0% -1.0% -1.0% -1.0% -1.0% -1.0%
Water portion of average bill	\$ 14 \$ 15 \$ 15 \$ 16 \$ 17 \$ 18
Total average utility bill	\$ 40 \$ 42 \$ 57 \$ 60 \$ 63 \$ 66
	\$ 78 \$ 83 \$ 113 \$ 118 \$ 124 \$ 130 \$ 137 \$ 144 \$ 151 \$ 159 \$ 166 \$ 175 \$ 184 \$ 193 \$ 202 \$ 212 \$ 223 \$ 234 \$ 246 \$ 258
Bond Covenant Information:	
Coverage Ratio (130% min)	417% 160% 202% 256% 285% 617%
Reserves (Max Annual DS)	\$ 151 \$ 151 \$ 151 \$ 151 \$ 151 \$ 151

**Water Fund Projection (Scenerio 4) - Funding all Water CIP projects over 20 years**



# Utility Advisory Board 2016

Date: 7/12/2016

	Name	Phone	Email
✓	Alice Richmond	503-723-0101	
✓	Bill Frazier	503-657-0739	<a href="mailto:billcfrazier@comcast.net">billcfrazier@comcast.net</a>
Not Attending	Edward Keonjian	503-650-7387	<a href="mailto:Edward1717@aol.com">Edward1717@aol.com</a>
Not Attending	Jon Miller	503-650-0121	<a href="mailto:jon.miller19@comcast.net">jon.miller19@comcast.net</a>
AA	Amit Armstrong	503-539-4508	<a href="mailto:amit.armstrong@gmail.com">amit.armstrong@gmail.com</a>
EFM	Erik Miller	503-880-9057	<a href="mailto:efletcher@hotmail.com">efletcher@hotmail.com</a>
DJB	David Baker	503-367-2266	<a href="mailto:djb@davidjbaker.com">djb@davidjbaker.com</a>
<del>RS</del>	Richard Seals - Finance Director	503-722-5505	<a href="mailto:rseals@westlinnoregon.gov">rseals@westlinnoregon.gov</a>
EXCUSED	Lance Calvert - Public Works Director	503-722-5500	<a href="mailto:lcalvert@westlinnoregon.gov">lcalvert@westlinnoregon.gov</a>
✓	Brenda Perry – Council Liaison	503-657-0331	<a href="mailto:bperry@westlinnoregon.gov">bperry@westlinnoregon.gov</a>